

**AMENDMENTS TO THE SPECIFICATION:**

Please replace the title with the following amended title:

"~~METHOD FOR UNIVERSAL CALCULATION~~ METHOD APPLIED TO POINTS OF  
ON AN ELLIPTIC CURVE DEFINED BY A QUARTIC, RELATED AND ASSOCIATED  
CRYPTOGRAPHIC METHOD AND ELECTRONIC COMPONENT"

Please add the following new paragraph immediately after the title appearing on page 1.

This disclosure is based upon French Application No. 02/10193, filed August 9, 2002, and International Application No. PCT/FR2003/002462, filed August 5, 2003, the contents of which are incorporated herein by reference.

Please add on a new line the following at page 1, line 5:

**BACKGROUND OF THE INVENTION**

Please add on a new line the following at page 11, line 10:

**SUMMARY OF THE INVENTION**

Please add on a new line the following at page 13, line 26:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Please add on a new line the following at page 14, line 6:

**DETAILED DESCRIPTION**

**IN THE ABSTRACT:**

Please add the following Abstract:

**ABSTRACT**

A method for universal calculation on the points of an elliptic curve defined by a quartic equation uses identical programmed calculating devices for operating an addition of points, a doubling of points and an addition of a neutral point. The calculating device is a central unit associated with a memory. The invention also concerns a cryptographic method using such a universal method. The invention further concerns a component for implementing the universal calculation method and/or the cryptographic method. For example, the invention is applicable to smart cards.